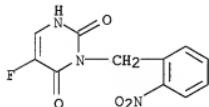
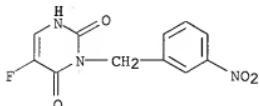


L20 ANSWER 121 OF 181 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1986:68665 CAPLUS  
 DN 104:68665  
 OREF 104:10985a,10988a  
 TI (o- and p-Nitrobenzyloxycarbonyl)-5-fluorouracil derivatives as potential conjugated bioreductive alkylating agents  
 AU Lin, Tai Shun; Wang, Lin; Antonini, Ippolito; Cosby, Lucille A.; Shiba, David A.; Kirkpatrick, D. Lynn; Sartorelli, Alan C.  
 CS Sch. Med., Yale Univ., New Haven, CT, 06510, USA  
 SO Journal of Medicinal Chemistry (1986), 29(1), 84-9  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 OS CASREACT 104:68665  
 AB A series of 5-fluorouracil derivs. I (R, R1 = H, CO<sub>2</sub>CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4, CO<sub>2</sub>CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-2) were synthesized by reacting o- or p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>O<sub>2</sub>CCl with 5-fluorouracil in the presence of Et<sub>3</sub>N in DMF or Me<sub>2</sub>SO. The reductive activation of these agents was hypothesized to generate a reactive methide and 5-fluorouracil, two components that are capable to synergistic interaction through complementary inhibition. Measurement of the surviving fractions of EMT6 tumor cells treated with these agents in culture under conditions of hypoxia and aerobiosis resulted in equal cell kill regardless of the state of oxygenation. I (R = H, R1 = CO<sub>2</sub>CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4) appeared to be superior to 5-fluorouracil in prolonging the survival time of mice bearing i.p. implants of the P388 leukemia and Sarcoma 180.  
 IT 98653-09-9P 98653-10-2P 98653-11-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 98653-09-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(2-nitrophenyl)methyl]- (CA INDEX NAME)



RN 98653-10-2 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(3-nitrophenyl)methyl]- (CA INDEX NAME)



10/918,318 (amended)

RN 98653-11-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(4-nitrophenyl)methyl]- (CA INDEX  
NAME)

